Easy to install wireless technology

MY-SERENITY

SMOKE DETECTOR

USER GUIDE

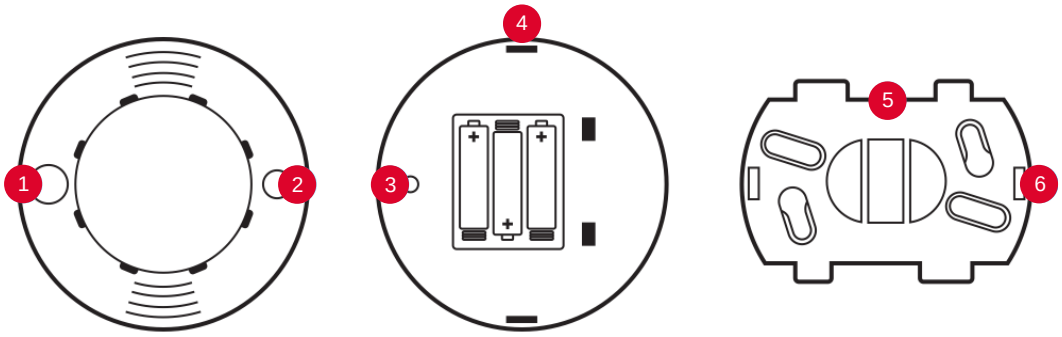
www.my-serenity.ch

What's in the Box?

1 x Smoke Detector (with mounting bracket)
3 x AA alkaline batteries
2 x Screws
2 x Wall plugs

What is it?

The Smoke Sensor (or Smoke Detector) is an accessory for your system. It uses an optical smoke density chamber to detect the presence of smoke particles in the background air. Initialising the sensor begins the process of self-calibration, whereby the sensor begins taking a series of readings, allowing it to acclimatise itself to the background environment. Once this process is complete, the sensor will continuously monitor for changes in the levels of particulates (smoke) in the environment and trigger an alarm if necessary.



1. **LED**

   When the battery voltage is low, the LED will flash every 30 seconds. While the Smoke Detector is transmitting a smoke alarm signal, the LED will also flash. When new batteries are inserted and the Smoke Detector is in its initialisation period, the LED will flash for between approximately 5 - 20 minutes.

2. **Test button**

   The test button is used in the following situations:

   a. Enrolling the Smoke Detector

   b. To test the radio communication range

c. To test if the Smoke Detector is functioning normally

d. To silence the alarm

3. **Battery compartment**
4. **Mounting hole**
5. **Mounting bracket**
6. **Hook**

Adding the Smoke Detector to your system

1. Insert the 3 "AA" batteries into the battery compartment (ensure correct polarity).

2. Your Smoke Detector will sound 2 short beeps and the LED will start flashing.

3. After about 3 - 5 minutes, one short beep sounds to indicate that the Smoke Detector is initialising. This may take up to 20 minutes, and during this period the Smoke Detector's LED will continue to flash. When the initialisation process is completed, the Smoke Detector will emit a short double beep and the LED will be turned off. The Smoke Detector is now self-calibrated to the environment and is ready for installation.

   Note: If after 20 minutes the Smoke Detector gives out continuous beeps (instead of a single short double beep), it indicates that the Smoke Detector has not completed the initialisation & self-calibration process successfully. If this occurs, remove the batteries from the sensor, and wait for 1 minute. Now re-insert the batteries, and re-start the initialisation process from step 1.

4. The button located on the back of the gateway (or panel) is the 'learn' button. When this is pressed, the panel beeps to signify it is in 'learn' mode. Only the topmost LED is lit during this process.

   - Pressing the 'learn' button on the back of the panel a second time will halt the process, and any new devices added will be reported to the account for naming.
   - 'Learn' mode is unavailable whilst the panel is set.
   - Place the panel into 'learn' mode

- Press the button (labelled 2 in the diagram) on the Smoke Detector. The panel will beep twice indicating the detector has been accepted
- Press the 'learn' button on the back of the panel a second time to exit 'learn' mode
- LED sequence should be green-off-green indicating normal operation

Your Smoke Detector has now been added to the system.

You will now be able to see this device in your account on the My Equipment page.

Placing your device

1. Check location: Smoke Detectors will operate at up to 30 metres away from the gateway. Before fixing your detector permanently in place, you should first test that it will work correctly in the location you have chosen. To do this, follow these steps:

    a. Press 'learn' button on the back of panel to place the panel into 'learn' mode. This also functions as a 'walk-test' facility. Take your Smoke Detector to your chosen location and press and release the button (labeled 2 on the diagram) on the device. Your panel will emit a two-tone beep to confirm the signal has been received if it is within effective range.

    b. Press the 'learn' button on the gateway a second time to cancel the test process when you are satisfied with the location you have chosen.

2. Mark the fixing location: Using the mounting bracket as a template, mark and then drill two holes for the fixing screws. If fitting to brickwork / plasterboard, insert the 2 supplied wall plugs into these holes.

3. Fit the mounting bracket: Using the 2 screws supplied, fix the mounting bracket in place, with the two hooks facing downwards.

4. Fit and lock the Smoke Detector in place: Locate the single line mark on the Smoke Detector body and line it up with one of the downward-facing hooks on the bracket. After both hooks fit into the two mounting holes on the

detector body, rotate the Smoke Detector counter-clockwise to lock it in onto the mounting bracket.

Installation Note

It is recommended that the installation site be in the centre area of the ceiling.
Do not locate the Smoke Detector in the following locations:

- The kitchen – smoke from cooking might cause an unwanted alarm.
- Near a ventilating fan, florescent lamp or air-conditioning equipment – air drafts from them may affect the sensitivity of the detector.
- Near ceiling beams or over a cabinet – stagnant air in these areas may affect the sensitivity of the detector.
- In the peak of an "A" frame type of ceiling.

Additional Information

Battery Information

- The Smoke Detector uses 3 "AA" Alkaline batteries as a power supply. The batteries can last for several years, in normal domestic use.
- The Smoke Detector can self-detect if the batteries are getting low. Low battery detection will occur when the unit typically has enough reserve power to operate for 1 month before complete exhaustion. Low battery signals will be periodically sent to your panel which will display this status accordingly. If the battery voltage is low, the Smoke Detector LED will flash, and its internal siren will emit a low-volume beep once every 30 seconds.

To change the battery

- Ensure the panel is in 'disarmed' (alarm off) mode.
- Rotate the Smoke Detector clockwise to dismount it from the mounting bracket.
- Remove the battery compartment cover.
- Remove the old batteries, and replace with 3 new "AA" alkaline batteries, taking care to connect the polarity correctly. When the new batteries are

inserted, your Smoke Detector will sound 2 short beeps and the LED will start flashing.

Note: Every time you change / re-insert the batteries, your Smoke Detector will automatically begin the initialisation process, to self-calibrate to the background environment. See "Adding the Smoke Detector to your system" section above.

- Replace the battery compartment cover.

- Locate the single line mark on the Smoke Detector body and line it up with one of the downward-facing hooks on the bracket. After both hooks fit into the two mounting holes on the detector body, rotate the Smoke Detector counter-clockwise to lock it onto the mounting bracket.

Maintenance & Care of your Smoke Detector

Testing your device

- By pressing the test button on the Smoke Detector, you can test if it is functioning normally. In normal operation, the LED will be on for 2 Seconds and it will sound a 2-tone beep.

- If the buzzer sounds 3 beeps, it means that the optical chamber on the Smoke Detector is either fouled with dirt, or is out-of-order. Try to re-initialise the Smoke Detector, so that it re-calibrates itself with the environment. Press and hold the test button for 10 seconds, and the Detector will begin re-calibration as above. Once completed, re-test. If the buzzer still sounds 3 beeps, then the optical chamber is out of order. If this happens, you will need to replace the Smoke Detector with a new unit, as it will not be able to take an accurate background calibration reading.

- If the LED doesn't light and no beep is sounded, it may be that the batteries are dead. Try replacing the batteries and re-initialising the unit. If there is still no LED light and no beep, the Smoke Detector is out-of-order. You will need to replace the Smoke Detector with a new unit, as it will not be able to take an accurate background calibration reading.

Detecting Smoke

- If the Smoke Detector detects smoke, it lights up its LED to indicate it is sending the smoke alarm signal to the panel. After the transmission is completed, your Smoke Detector then activates its internal buzzer, with LED flashing rapidly for 10 seconds for local warning. The panel will also indicate alarm, and activate its own internal siren.

- After this 10-second local warning period, your Smoke Detector performs a follow-up smoke check. If smoke is still detected, your Smoke Detector will repeat the local warning process, with buzzer and flashing LED. Your Smoke Detector will continue this process until it stops detecting any smoke and the alarm will be stopped automatically.

Alarm Silence

- Once the Smoke Detector alarm is sounding, you can press Test button to put the Smoke Detector into "Alarm Silence" mode for 10 minutes, and the alarm will be stopped.

- During this 10 minute "Alarm Silence" period, the LED will flash once per second. At the end of this 10-minute period, the Smoke Detector will sound a 2-tone beep and then returns to normal operation mode. If smoke is still detected at this point, the Smoke Detector will re-activate, and sound the warning alarm again.

Self-calibrating the Smoke Detector to its background environment:

The environmental conditions in which the Smoke Detector is situated can change over time, as the levels of average background particulate matter in a given room / building alters. To ensure maximum efficiency and effectiveness, you may wish to re-initialise the Smoke Detector and so allow it to take a new self-calibration reference value for its environment. We recommend this is done every year. To do this:

- Press and hold the Test button for 10 seconds, until the LED starts to flash

- Your Smoke Detector will sound 2 short beeps

- Follow the process described in "Adding the Smoke Detector to your system" above, to self-calibrate the Smoke Detector to its background environment

Have you seen the complete range of products available for your MY-SERENITY system?

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